



PTO/SB/08A (10-01)

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**Substitute for form 1449A/PTO**

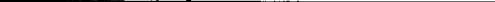
## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 10

Completeness Information	
Application Number	10/684,740
Filing Date	October 14, 2003
First Named Inventor	Shalini Sharma
Art Unit	1624
Examiner Name	Sudhaker Patel
Attorney Docket Number	18015-D3

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)			
		WO 02/59077 (abstract)	—	—	—
		WO 02/14291 (abstract)	—	—	—
		WO 02/02119 (abstract)	—	—	—
		WO 01/81340 (abstract)	—	—	—
		BR 9802163 (abstract)	—	—	—
		JP 01/181281 (abstract)	—	—	—
		WO 00/23409 (abstract)	—	—	—
		WO 99/62520 (abstract)	—	—	—
		WO 98/25608 (abstract)	—	—	—
		JP 10130241 (abstract)	—	—	—

Examiner Signature		Date Considered	5/4/04
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Substitute for form 1449A/PTO		<b>C m pl t If Kn wn</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		<b>Application Number</b>	10/684,740
(use as many sheets as necessary)		<b>Filing Date</b>	October 14, 2003
		<b>First Named Inventor</b>	Shalini Sharma
		<b>Art Unit</b>	1624
		<b>Examiner Name</b>	Sudhaker Patel
Sheet	2	of	10
		Attorney Docket Number	
		18015-D3	

## U.S. PATENT DOCUMENTS

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		WO 98/08836 (abstract)	—	—	—	—
		WO 95/13262 (abstract)	—	—	—	—
		WO 94/27993 (abstract)	—	—	—	—
		WO 93/08799 (abstract)	—	—	—	—
		JP 04159266 (abstract)	—	—	—	—
		EP 407891 (abstract)	—	—	—	—
		EP 393400 (abstract)	—	—	—	—
		JP 01063570 (abstract)	—	—	—	—
		WO 88/08418 (abstract)	—	—	—	—
		EP 288190 (abstract)	—	—	—	—

**Examiner Signature** Robert L. B. Reiter **Date Considered** 5/1/09

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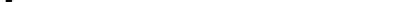
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		Filing Date	October 14, 2003
		First Named Inventor	Shalini Sharma
		Art Unit	1624
		Examiner Name	Sudhaker Patel
Sheet	3	of	10
		Attorney Docket Number	

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		JP 61040270 (abstract)	—	—	—	—
		JP 55015460 (abstract)	—	—	—	—
		GB 1488330 (abstract)	—	—	—	—
		JP 52025734 (abstract)	—	—	—	—
		DE 2527066 (abstract)	—	—	—	—
		DE 2459468 (abstract)	—	—	—	—
		FR 2191887 (abstract)	—	—	—	—
		JP 47025149 (abstract)	—	—	—	—
		JP 56115747 (abstract)	—	—	—	—
		DE 3012012 (abstract)	—	—	—	—

Examiner Signature		Date Considered	5/6/04
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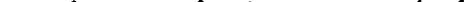
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		<b>Filing Date</b>	October 14, 2003
		<b>First Named Inventor</b>	Shalini Sharma
		<b>Art Unit</b>	1624
		<b>Examiner Name</b>	Sudhaker Patel
<b>Sheet</b>	4	<b>of</b>	10
		<b>Attorney Docket Number</b> 18015-D3	

## **U.S. PATENT DOCUMENTS**

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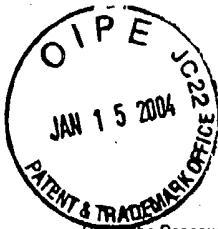
Examiner Initials <sup>5</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>6</sup> (if known)				
		JP 50014653 (abstract)	—	—	—	
		DE 2512673 (abstract)	—	—	—	
		DE 1929165 (abstract)	—	—	—	
		ZA 6705655 (abstract)	—	—	—	
		WO 97/30017	08-21-1997	Shinkai, et al.	—	
		WO 98/07681	02-26-1998	Moinet, et al.	—	
		WO 99/62520	12-09-1999	Young, et al.	—	
		EP 71399	02-09-1983	Tsung, et al.	—	
		WO 92/12123	07-23-1992	Schirlin, et al.	—	
		WO 00/63161	10-26-2000	Kolb, et al.	—	

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 5 of 10

Complete if Known

Application Number	10/684,740
Filing Date	October 14, 2003
First Named Inventor	Shalini Sharma
Group Art Unit	1624
Examiner Name	Sudhaker Patel
Attorney Docket Number	18015-D3

### NON PATENT PUBLICATIONS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
<i>SBD</i>		Karche, et al., "Electronic Effects in Migratory Groups...", Journal of Organic Chemistry, Vol. 66, No. 19, pages 6323-6332, 2001. (Abstract)	/
<i>SBD</i>		Poupardin, et al., "First approach to the cycloisodityrosine unit of RA-IV", Tetrahedron Letters, Vol. 42, No. 8, pages 1523-1526, 2001. (Abstract)	/
<i>BSD</i>		Manthey, et al., "Synthesis of Human Ultraviolet Filter Compounds...", Journal of Organic Chemistry, Vol. 64, No. 11, pages 3930-3933, 1999. (Abstract)	/
<i>BSD</i>		Wu, et al., "Improvement on the preparation of .beta.-keto esters", Huaxue Shiji, Vol. 20, No. 6, pages 376-377, 1998. (Abstract)	/
<i>BSD</i>		Wu, et al., "Total syntheses of furoguaiacin and related analogs", Huaxue Yanjiu Yu Yingyoung, Vol. 9, No. 6, pages 595-599, 1997. (Abstract)	/
<i>BSD</i>		Fadnavis, et al., "Baker's yeast mediated enantiospecific synthesis of anti-(2R,3R)...", Tetrahedron: Asymmetry, Vol. 8, No. 24, pages 4003-4006, 1997. (Abstract)	/
<i>BSD</i>		Wu, et al.; "A modification of the Knorr oxidative coupling method for preparation of 1,4-diketones", Synthetic Communications, Vol. 27, No. 2, pages 331-336, 1997. (Abstract)	/
<i>BSD</i>		Girard, et al. "Syntheses of the syn and anti .alpha.-amino-.beta.-hydroxy acid of vancomycin...", Tetrahedron Letters, Vol. 37, No. 44, pages 7967-7970, 1996. (Abstract)	/
<i>BSD</i>		Smith, et al., "Synthesis and PAF antagonist activity of some 2,5-diaryltetrahydrofurans incorporating PAF-like functional groups", European Journal of Medicinal Chemistry, Vol. 31, No. 5, pages 347-358, 1996. (Abstract)	/
<i>BSD</i>		Maruyama, et al., "A synthesis of (+)-pinoresinol and its related compound using potassium persulfate (K2S2O8) oxidation of benzoylacetates", Heterocycles, Vol. 37, No. 2, pages 839-845, 1994. (Abstract)	/
<i>BSD</i>		Rao, et al., "Studies on cyclodepsipeptides. Part II. The total synthesis of jaspamide and geodiamolide-D", Tetrahedron Letters, Vol. 34, No. 44, pages 7085-7088, 1993. (Abstract)	/

Examiner Signature	<i>Shalini Sharma</i>	Date Considered	5/4/04
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Sheet 6 of 10

### Complaint if Known

Application Number	10/684,740
Filing Date	October 14, 2003
First Named Inventor	Shalini Sharma
Group Art Unit	1624
Examiner Name	Sudhaker Patel
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SD		Colotta, et al., "Tricyclic heteroaromatic systems...", Farmaco, Vol. 46, No. 10, pages 1139-1154, 1991. (Abstract)	
SD		Dillard, et al., "(Phenylmethoxy) phenyl derivatives of w-oxo- and w-tetrazolylalkanoic acids...", J. Med. Chem., Vol. 34, No. 9, pages 2768-2778, 1991. (Abstract)	
SD		Bose, et al., "Synthesis of 4-phenylcoumarins from Dalbergia volubilis and Exostema caribaeum", Phytochemistry, Vol. 30, No. 7, pages 2438-2439, 1991. (Abstract)	
SD		Bose, et al., "Synthesis of 4-phenylcoumarins", Indian J. Chem., Sect. B, Vol. 29B, No. 5, pages 422-444, 1990. (Abstract)	
SD		Colotta, et al., "Tricyclic heteroaromatic systems...", J. Med. Chem., Vol. 33, No. 9, pages 2646-2651, 1990. (Abstract)	
SD		Kameo, et al., "Studies on hypolipidemic agents, IV. 3-[4-(Phenylthio) benzoyl] propionic acid derivatives", Chem. Pharm. Bull., Vol. 37, No. 5, pages 1260-1267, 1989. (Abstract)	
SD		Colotta, et al., "Tricyclic heteroaromatic systems: synthesis..." J. Pharm. Sci., Vol. 78, No. 3, pages 239-242, 1989. (Abstract)	
SD		Tanaka, et al., "Total synthesis of coumarinolignans, aquillochin (cleomiscosin C) and cleomiscosin D", Chem. Pharm. Bull., Vol. 36, No. 10, pages 3833-3837, 1988. (Abstract)	
SD		Parmar, et al., "Synthesis of new naturally occurring 4-phenyl-2H-1-benzopyran-2-ones", Bull. Chem. Soc. Jpn., Vol. 61, No. 6, pages 2277-2279, 1988. (Abstract)	
SD		Colotta, et al., "The correct synthesis of 2,3-dihydro-2-aryl-4-R-[1] benzopyrano [4,3-c] pyrazole-3-ones", Tetrahedron Letters, Vol. 28, No. 43, pages 5165-5168, 1987. (Abstract)	
SD		Tanaka, et al., "Total synthesis of daphneticin, a coumarinolignoid", Chem. Pharm. Bull., Vol. 34, No. 2, pages 628-632, 1986. (Abstract)	

Examiner  
Signature*Sudhaker Patel*Date  
Considered

5/5/04

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Sheet 7 of 10

**Complaint if Known**

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SBD	Ahuwalia, et al., "Synthesis of stevenin and melanettin", Symp. Pap.- IUPAC Int. Symp. Chem. Nat. Prod., 11th, Volume 3, pages 11-13, 1978. (Abstract)	T2
JNO	Yamaguchi, "Degradation of protolignin with metallic sodium in liquid ammonia", Ringyo Shikenjo Kenkyu Hokoku, Vol 281, pages 1-78, 1976. (Abstract)	-
JNO	Okumura, et al., "Synthesis of chromone-3-carboxanilides", Chem. Pharm. Bull., Vol 22, No. 2, pages 331-336, 1974. (Abstract)	-
JNO	Von Wacek, et al., "Synthesis of methoxylated compounds for a comparative investigation of the stability of methyl ether groups", Monatsh. Chem., Vol. 97, No. 3, pages 744-753, 1966. (Abstract)	-
JNO	Iwasa, et al., "The preparation of the biosynthetic precursor 3,7-dihydroxy-2,6-dimethoxyphenthroindolizidine", J. Nat. Prod., Vol. 51, No. 1, pages 172-175, 1998. (Abstract)	-
KNO	Wong, et al., "Wedelolactone and coumestan derivatives as new antihepatotoxic and antiphlogistic principles", Arzneim.-Forsch., Vol. 38, No. 5, pages 661-665, 1988. (Abstract)	-
JNO	Witiak, et al., "Synthetic aci-reductions. 3,4-Dihydroxy-2H-1-benzopyran-2-ones and their cis- and trans-4a, 5, 6, 7, 8, 8a-hexahydro diastereomers", J. Med. Chem., Vol. 31, No. 7, pages 1437-1445, 1988. (Abstract)	-
JNO	Entzeroth, et al., "Preparation of 3- (3-indolyl) Lactic acids...", Liebigs Ann. Chem., No. 2, pages 226-230, 1983. (Abstract)	-
JNO	Bhakuni, et al., Biosynthesis of tylophorine and tylophorinine", Tetrahedron, Vol. 37, No. 2, pages 401-407, 1981. (Abstract)	-
JNO	Naidu, et al., "Debenzylation by nickel-aluminum alloy", J. Indian Inst. Sci., Vol. 62, No. 10, pages 177-180, 1980. (Abstract)	-
SBD	Oka, et al., "Syntheses of N-heterocyclic compounds. XXVI. Syntheses of pyrido [3,4-d] pyridazine derivatives", Chem. Pharm. Bull., Vol. 23, No. 10, pages 2306-2317, 1975. (Abstract)	-

Examiner Signature	<i>Shalini B. Patel</i>	Date Considered	8/14/04
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Sheet

8 of 10

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<i>SPD</i>		Saunders, et al., "Syntheses of carbon-14-labeled prizidilol dihydrochloride", J. Labelled Compd. Radiopharm., Vol. 22, No. 9, pages 869-881, 1985. (Abstract)	-
<i>KM</i>		Arnoldi, et al., "Synthesis and sweet taste of some 2-phenylbenzodioxanes", J. Agric. Food Chem., Vol. 34, No. 2, pages 339-344, 1986. (Abstract)	-
<i>SPD</i>		Winters, et al., "Synthesis and pregnancy terminating activity of pyrazolo [1,5-a] indoles and quinolines", Eur. J. Med. Chem.-Chim. Ther., Vol. 19, No. 3, pages 215-218, 1984. (Abstract)	-
<i>KM</i>		Herbert, et al., "Biosynthesis of phenanthroindolizidine alkaloids: incorporation of 2-pyrrolidin-2-ylacetophenone and benzoylacetic acid and derivatives", J. Chem. Soc., Perkin Trans. 1, No. 4., pages 825-831, 1984. (Abstract)	-
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<i>SPD</i>		Ahluwalia, et al., "An unambiguous synthesis of melannein", Indian J. Chem., Sect. B, Vol. 21B, No. 3, pages 186-188, 1982. (Abstract)	-
<i>SPD</i>		Peltier, et al., "Synthesis and NMR spectra of 2,6- and 2,4-diaryl-3,7-dioxabicyclo [3.3.0] octanes", J. Chem. Soc., Perkin Trans. 1, No. 1, pages 183-190, 1982. (Abstract)	-
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<i>SPD</i>		Mangla, et al. "Synthesis of tylophorine", Tetrahedron, Vol. 36, No. 17, pages 2489-2490, 1980. (Abstract)	-
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*Sudhaker Patel*

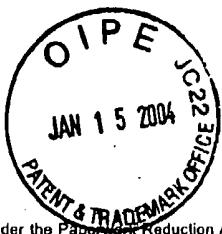
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 9 of 10

*Completer if Known*

Application Number	10/684,740
Filing Date	October 14, 2003
First Named Inventor	Shalini Sharma
Group Art Unit	1624
Examiner Name	Sudhaker Patel

Attorney Docket Number 18015-D3

### NON PATENT PUBLICATIONS

Examiner Initials	File No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
<i>SP</i>		Liu, et al., "The New Antidiabetic Drug MCC-555 Acutely Sensitizes Insulin Signaling in Isolated Cardiomyocytes", Endocrinology, Vol 139, No. 11, pages 4531-4539, (1998).	
<i>SP</i>		Kees, et al., "Perfluoro-N-[4-(1 H-tetrazol-5-ylmethyl) Phenyl]-alkanamides. A New Class of Oral Antidiabetic Agents", Journal of Medicinal Chemistry, Vol. 32, pages 11-13, (1989).	
<i>SP</i>		Shinkai, et al. "4-(trans-4-Methylcyclohexyl)-4 Oxobutyric Acid (JTT-608). A New Class of Antidiabetic Agent", Journal of Medicinal Chemistry, Vol 41, No. 27, pages 5420-5428, (1998).	
<i>SP</i>		Abstract 560-P, Hodge, et al. "PN2022: Antidiabetic Efficacy and Reversal of Steatohepatitis in ob/ob Mice", Diabetes, Abstract Book 62nd Scientific Sessions, Vol. 51 Suppl. 2, page A139, June 2002.	
<i>SP</i>		Abstract 561-P, Hodge, et al., "PN2034: Orally Active Antidiabetic Agent with a Unique Spectrum of Activity and Enhanced Safety Profile", Diabetes, Abstract Book 62nd Scientific Sessions, Vol. 51 Suppl. 2, page A139, June 2002.	
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<i>SP</i>		Poster #560, Hodge, et al., "PN2022: Antidiabetic Efficacy and Reversal of Steatohepatitis in ob/ob Mice." Presentation at the 62nd Scientific Sessions, Meeting of the American Diabetes Association on June 14-18, 2002 and corresponding to Abstract 560-P.	
<i>SP</i>		Poster #561, Hodge, et al., "PN2034: Orally Active Antidiabetic Agent with a Unique Spectrum of Activity and Enhanced Safety Profile", Presentation given at the 62nd Scientific Sessions, Meeting of the American Diabetes Association on June 14-18, 2002 and corresponding to Abstract 560-P.	
<i>SP</i>		Poster #568, Lu, et al., "PN2034-A Novel Antidiabetic Agent That Is a Selective PPAR Modulator", Presentation given at the 62nd Scientific Sessions, Meeting of the American Diabetes Association on June 14-18, 2002 and corresponding to Abstract 568-P.	
<i>SP</i>		Poster #586, von Borstel, et al., "PN2034: Reversal of Insulin Resistance and Attenuation of Weight Gain in Mice on a High-Fat Diet", Presentation given at the 62nd Scientific Sessions, Meeting of the American Diabetes Association on June 14-18, 2002 and corresponding to Abstract 586-P.	

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<i>SP</i>	Owada, et al., "Improved synthesis of triclin", Nippon Kagaku Zasshi, Vol. 91, No. 10, pages 1002-1003, 1970. (Abstract).	T <sup>2</sup>
<i>SP</i>	Veronese, et al., "Ozonolysis of derivatives of 7-hydroxytryptophan", Gazz. Chim. Ital., Vol. 97, No. 1, pages 18-24, 1967. (Abstract)	
<i>SP</i>	Kawamatsu, et al., Studies on antihyperlipidemic agents. Part 1. Synthesis and hypolipidemic activities of phenoxyphenylalkanoic acid derivatives", Arzneim. Forsch., Vol. 30, Issue 3, pages 445-459, 1980. (Abstract)	
<i>SP</i>	Chemical Abstract DN 132:22755, also cited as WO99/62520.	
<i>SP</i>	Chemical Abstract DN 126:74645, also cited as J. Chem. Soc., Parkins Transactions 1, Org & Bio-Org. Chem., 21, 2603-2613, 1996.	
<i>SP</i>	Chemical Abstract DN 117:251790, also cited as Wo 92/12123.	
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<i>SP</i>	Chemical Abstract DN 99: 122287, also cited as EP 71399.	
<i>SP</i>	Kawamatsu et al., Arzneim. Forsh., Vol. 30 ISS3, 454-459, 1980.	

Examiner Signature	<i>Shalini Sharma</i>	Date Considered	8/4/04
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